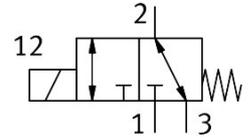
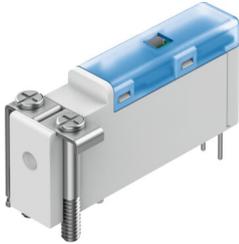


# Solenoid valve

## VOVK-BT6-M32C-MN-1T1P-FB

Part number: 8122774

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Valve function  | 3/2-way, closed, monostable                                       |
| Type of actuation                                     | Electric  |
| Construction width                                    | 5.9 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 5.5 l/min   |
| pneumatic working port                                | Sub-base  |
| Operating pressure                                    | -0.1 MPa...0.7 MPa<br>-1 bar...7 bar<br>-14.5 psi...100 psi       |
| Note on operating pressure                            | Operating pressure at port 3: -1 to 0 bar only                    |
| Design  | Connection direction downwards<br>Poppet valve with spring return |
| Type of reset   | Mechanical spring   |
| Degree of protection                                  | IP40  |
| Nominal size  | 0.36 mm   |
| Exhaust-air function                                  | With flow control option  |
| Sealing principle                                     | Soft  |
| Mounting position                                     | optional  |
| Manual override                                       | None  |
| Type of piloting                                      | Electric  |
| Flow direction  | Reversible  |
| Cv value  | 0.006 Gal/min US  |
| Max. switching frequency                              | 10 Hz   |
| Switching time off                                    | 6 ms  |
| Note on switching time off                            | At $-1 < p < 6$ bar   |
| Switching time on                                     | 13 ms   |
| Note on switching time on                             | $\leq 6$ ms at $0 < p < 6$ bar, $\leq 13$ ms at $-1 < p < 0$ bar  |
| Duty cycle  | 100% within 500 h   |
| Electrical power consumption                          | 0.5 W   |
| Nominal operating voltage DC                          | 24 V  |
| Permissible voltage fluctuations                      | +/- 10 %  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [6:4:1]                         |
| Note on operating and pilot medium                    | Lubricated operation not possible                                 |

| <b>Feature</b>                 | <b>Value</b>               |
|--------------------------------|----------------------------|
| Corrosion resistance class CRC | 1 - Low corrosion stress   |
| LABS (PWIS) conformity         | VDMA24364 zone III         |
| Media temperature              | 5 °C...50 °C               |
| Relative air humidity          | 70%                        |
| Note on relative air humidity  | At ambient temperature     |
| Ambient temperature            | 5 °C...50 °C               |
| Product weight                 | 4.5 g                      |
| Electrical connection          | 2-pin                      |
| Type of mounting               | With through-hole          |
| Pneumatic connection, port 1   | Sub-base                   |
| Pneumatic connection, port 3   | Sub-base                   |
| Note on materials              | RoHS-compliant             |
| Material housing               | PBT                        |
| Material spring                | High-alloy stainless steel |